

GIS AS A MONITORING AND MEASUREMENT TOOL IN TRANSPORTATION OPERATIONS



CLEAN CITY INITIATIVE

- A MEASUREMENT TOOL FOR ASSESSING THE PROGRESS OF THE MAYORS CLEAN CITY INITIATIVE
- A PERFORMANCE TOOL FOR KEEPING DEPARTMENT HEADS ON TRACK WITH THE MAYORS SCORE CARD
- AN ACCOUNTABILITY TOOL FOR DISTRICT RESIDENTS TO MEASURE THE MAYORS SERVICE DELIVERY



CAPITAL IMPROVEMENT PROGRAM

- PAVEMENT CONDITIONS BY DIFFERENT COLOR
- BUDGETED LOCATIONS BY DIFFERENT WORKTYPE
- FEDERAL AID RESURFACING
- RECONSTRUCTION
- LOCAL STREET IMPROVEMENTS



SNOW

- INCREASE ROUTING EFFICIENCY
- IMPROVE OPERATIONAL PLANNING AND EXECUTION
- IMPROVE COMMUNICATION AND INFORMATION SHARING WITH THE EMERGENCY MANAGEMENT AGENCY (EMA)
- IMPROVE RESOLUTION OF CITIZEN COMPLAINTS



DIFFERENT MAPS

- FUNCTIONAL CLASSIFICATION
- HPMS (HIGHWAY PERFORMANCE MEASURING SYSTEM)
- NATIONAL HIGHWAY SYSTEM



UTILITY CUTS

- IDENTIFY UTILITY AND TELECOMMUNICATION COMPANIES USE OF THE DISTRICT OF COLUMBIA'S RIGHT-OF-WAY
- ENHANCE AND EXPEDITE THE PERMITTING PROCESS
- SHOW SUSPENDED STREET LOCATIONS
- ENSURE THAT FREQUENT UPDATES TO THE SUSPENDED STREETS ARE READILY AVAILABLE TO ALL INTERESTED ENTITIES
- IMPROVE COORDINATION BETWEEN UTILITY AND TELECOMMUNICATION COMPANIES IN TERMS OF COLOCATION AND PERMITTING OPPORTUNITIES



TRAFFIC

- STUDY TRAFFIC ACCIDENTS WITHIN THE DISTRICT OF COLUMBIA
- OVERLAY ANALYSIS TO EXAMINE CAUSAL FACTORS
- MODEL TRAFFIC FLOW
- IMPROVE TRAFFIC LIGHT SEQUENCING IN THE DISTRICT
- IMPROVE TRAFFIC STUDIES



INTRODUCTION OF NEXT SPEAKER

- EMMANUEL ONWUKWE OF GEO-IMAGING INC. GIS CONSULTANT TO DPW/DDOT

